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| Substitute for form 1449A/B/PTO   |   |    |   | <b>Complete if Known</b> |                                   |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | Application Number       | Not Yet Assigned                  |
|   |   |    |   | Filing Date              | Concurrently Herewith             |
|   |   |    |   | First Named Inventor     | Toshihiko Ushiro                  |
|   |   |    |   | Art Unit                 | NA                                |
|   |   |    |   | Examiner Name            | Not Yet Assigned - Mahidere Sahle |
| Sheet   | 1 | of | 1 | Attorney Docket Number   | 20239/0204133-US0                 |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |   |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                       |  |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |                |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>3</sup> |
|                          |                       | Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (if known) |                                |  |   |                |
| /M.S.                    | BA                    | JP-06-075105-A  | 03-18-1994                     | NITTO DENKO CORP                                   | Abstract Attached   | ✓              |
| /M.S.                    | BB                    | JP-2003-248193-A  | 09-05-2003                     | SUMITOMO ELECTRIC IND LTD                          | Abstract Attached   | ✓              |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WFO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WFO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>3</sup> |
| /M.S.                           | CA                    | Ultra-precision processing and mass production technology for microlens (arrays), Gijutsu Jouhou Kyoukai, pp. 20-21 and pp. 71-81, April 28, 2003   | ✓              |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

|                    |                  |                 |            |
|--------------------|------------------|-----------------|------------|
| Examiner Signature | /Mahidere Sahle/ | Date Considered | 05/28/2008 |
|--------------------|------------------|-----------------|------------|

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/017672

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> G02B3/00, G02B3/08, G02B5/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> G02B3/00, G02B3/08, G02B5/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

|                           |           |                            |           |
|---------------------------|-----------|----------------------------|-----------|
| Jitsuyo Shinan Koho       | 1922-1996 | Toroku Jitsuyo Shinan Koho | 1994-2004 |
| Kokai Jitsuyo Shinan Koho | 1971-2004 | Jitsuyo Shinan Toroku Koho | 1996-2004 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | JP 6-75105 A (Nitto Denko Corp.),<br>18 March, 1994 (18.03.94),<br>Full text; all drawings<br>(Family: none)   | 1-14                  |
| Y         | JP 2003-248193 A (Sumitomo Electric Industries,<br>Ltd.),<br>05 September, 2003 (05.09.03),<br>Full text; all drawings<br>& US 2003/0117706 A1 & EP 1326127 A3 | 1-14                  |
|           |  |                       |

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
04 February, 2005 (04.02.05)Date of mailing of the international search report  
01 March, 2005 (01.03.05)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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